BRUHAT BENGALURU MAHANAGARA PALIKE
EXECUTIVE ENGINEER (ELECRICALS) DASARAHALLI ZONE
Schedule -B

Indent Number:BBMP/2021-22/EL/WORK_INDENT49726

e Of Work:Replacement of Burntout UG Cable,Panels boards and its accessories coming under Dasarahalli Zone Ward 12,13,14,15

Rates Quoted by Contractor Chethan C (CHETHAN ENTERPRISES)

Sl No	Item Name	Unit	Estimate Quantity	In Figures (Rs.)	In Words (Rs.)
1	Supply of LED Streetlight luminaire with pressure die cast aluminum housing body for optimal thermal dissipation. Lamp compartment comprising of anti glare clear diffuser with Injection moulded polycarbonate material, delivering superior light output Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%, maximum light intensity should be between 60 degrees to 70 degrees CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminaire > IK08 Power Factor >0 9 with mains Surge Protection- Min 5KV along with Over voltage, Overload, short circuit/ miss wiring protection Compatible for pole mouting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools LED Light fixture with W System Power consumption LED Efficiency>130lm/w, nominal CRI >75 Luminaire manufacturer should have in-house facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001 2008 Housing with supplier word mark /name shall be Engraved / Embossing on the die cast housing/ Body part Warranty of 2 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED manufacturer &Cree/Nichia/Lumileds/Osram make LED Source. LED Streetlight 25watts	Nos	15	1306	Rupees One thousand, three hundred six Only
	Fabricating, supplying and erection of ...Mtrs long hot dip Galvanized Conical pole with BSEN 10025 grade S355JO steel plate for shaft IS 2062 for base plate with door opening arrangements, including suitable boards, Bakelite sheet and MCBs as per IS specifications suitable to withstand the wind speed of 47 m/sec for Mtrs pole in single section and single joint welded as per IS 9595/IS 10178AWS having dimensions bottom ...mm, top ...mm with 3mm thick suitable base plate and 4Nos of long J bolts along with template and the pole shall be hot dip galvanized In single dipping with not less than 65micron as per ASTM-A123 and 153etc (excluding foundation) as per drawing appended 3 papers - Top 75mm and bottom 105 mm dia	Each	5	3576	Rupees Three thousand, five hundred seventy-six Only
	Supplying and fixing of Hot dip Galvanized M S Bracket suitable for out door luminaries and mounted on Octagonal pole using necessary bolts, nuts etc., complete Single Arm Bracket with 1500mm Standard 40/50MM dia	Each	15	1199	Rupees One thousand, one hundred ninety-nine Only
	Supplying of 1 1 KV LT UG cable XLPE or Heat resistant PVC insulated PVC extruded Inner sheath armoured UG LT cable as per IS-1554 (Part-1) or IS-7098 Part-1, Armouring strip thickness in average 0 8mm and resistivity 14 Ohms/Kms (Max) as per IS-3975 4 core 16 sqmm	Mtr	225	107	Rupees One hundred seven Only
	Digging of trench of 0 6 m deep x 0 50 mtr wide refilling the trench to the required ground level and consolidating etc.,complete (As per Cavil SR KSRB I-2, P-7) a) In soil (ordinary)	Mtr	225	54	Rupees Fifty-four Only
	Labour charges for laying of ...Kv class UG cable in existing ...mm dia pipe/trench/duct / on pole as required. Existing trench/duct 6 sqmm to 16 sqmm	Mtr	225	8	Rupees Eight Only

For CHETHAN ENTERPRISES

Proprietor

Executive Engineer (Ele)
Bruhath Bangaloro Mahanagara Palike
Dasarahalli Zone

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Process –

	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694 confirming to latest amendments. Materials b)1.5 sqmm	Mtr	100	15	Rupees Fifteen
	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694 confirming to latest 6sqmm	Mtr	15	50	Rupees Fifty Only
	Supplying and Fixing of ___ mm dia class A GI pipe bracket up to 2 Mtrs long bent at suitable angle and fixing to this bracket 1x30/2x18 watts fluorescent tube street light fitting of all capacities complete on RCC pole / wall using suitable clamps, bolts, and nuts and wiring using suitable capacity wires. Using 32mm dia G.I Pipe	Each	328	594	Rupees Five hundred ninety four
	Wiring for lighting/power circuit using one of PVC insulated 1100V grade stranded Aluminium wire single core in open or concealed system of wiring 4 sqmm	Mtr	1275	6	Rupees Six Only
	Supply and fixing of 4pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts, nuts, washers and wire etc., complete with AC-3 Rating and as per IS-13947 d) 60-70 Amps	Nos	1	2982	Rupees Two thousand, nine hundred eighty-two Only
	Supplying and fixing miniature circuit breakers on existing MCB distribution boards usingnecessary fixing materials and 'C' Type curve indicator ON/OFF, energy cross 3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898 6-32 Amps DP	Nos	1	645	Rupees Six hundred forty-five Only
	Supplying and fixing angle iron frame work fabricated out of M.S angle iron and M.S flat with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint a)10X40X6mm	Mtr	5	181	Rupees One hundred eighty one Only
	Providing, supplying and mounting MS box inside out SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 7tanks treatment with powder coated paint and finally finished with approved colour etc., complete 16SWG	Sqm	35000	0.25	Twenty Five Paisa Only
	Supplying and fixing hylum plastic sheet 3mm thick with necessary notches for fixing switches, regulators etc., and fixing on existing wood or metal box using N.F. screws	Sqm	10000	0.16	Sixteen Paisa Only
	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers 63Amps	Nos	3	161	Rupees One hundred sixty one Only
	Supplying and fixing Microprocessor Based Astronomical timer switch with fixing necessary bolts, nuts and washers	Nos	1	2861 3	Rupees Two thousand, eight hundred sixty and three Paisa Only

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